AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Previously Presented). A speaker apparatus comprising:

a primary coil disposed in the vicinity of a gap of a magnetic circuit and to which a current corresponding to an input audio signal is supplied;

a secondary coil, disposed in the gap, for inducing a current corresponding to a current that flows in said primary coil; and

a vibrating plate vibrated by said secondary coil with an interaction of the current induced by said secondary coil and a magnetic flux in the gap,

wherein the following formula is satisfied

$$N \times (R1 \times R2)^{\frac{1}{2}} / \{2\Pi \times L1 \times (1 - k^2)^{\frac{1}{2}}\} \geq 20000 \quad Hz$$

where R1 is the CD resistance of said primary coil; L1 is the DC resistance of said primary coil; L1 is the inductance of said primary coil; N is the number of turns of said primary coil; R2 is the DC resistance of said secondary coil; and k is the coupling coefficient of said primary coil and said secondary coil.

Claim 2 (Currently Amended). The speaker apparatus as set forth in claim 1, wherein R1, L1, N, R2, and k satisfy the following formula at a frequency f in a desired reproduction frequency band

2Π x f x L1^2 x ~~(N^2 x R2 + L1 x R1)~~ (N^2 x R2+R1) /(N^2 x X$^{\frac{1}{2}}$) $\geq$ 0.3

X= $(2\Pi$ x f$)^2$ x ~~(L1 x R1 + L1 x R1/N^2)^2~~ L1 x R2 +L1 x R1/N^2)^2

+ {−R1 X R2 + $(2\Pi$ x f$)^2$ x L1^2 x $(1-k^2)$ /N^2}^{2}

Claims 3-4 (Canceled).